



SPYWOLF

Security Audit Report



Completed on
January 3, 2023

MADE IN USA 

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OVERVIEW

This audit has been prepared for **Wrapped Bitcoin** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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Wrapped Bitcoin



PROJECT DESCRIPTION

According to their website/whitepaper:

"Wrapped bitcoin (WBC) is a token that represents bitcoin on the Ethereum network. WBC provides a way of using bitcoin in smart contracts and makes the world's largest cryptocurrency more accessible on decentralized exchanges (DEX)"

Release Date: To be launched in January, 2023

Category: Finance



CONTRACT INFO

Token Name
Wrapped Bitcoin

Symbol
WBC

Contract Address
0x80632fAacc8d7A8B6d1fC626490B0F4E3803020

Network
Ethereum

Language
Solidity

Deployment Date
Jan 2, 2023

Verified?
Yes

Total Supply
21,000,000 WBC

Status
Not Launched

TAXES

Buy Tax
2%

Sell Tax
2%

*Taxes cannot be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	741
Uniq Senders	173
Uniq Receivers	247
Total Amount	143104489.7640799 WBC
Median Transfer Amount	88455.78 WBC
Average Transfer Amount	193123.46796771916 WBC
First transfer date	2023-01-03
Last transfer date	2023-01-03
Days token transferred	1

SMART CONTRACT STATS

Calls Count	2467
External calls	193
Internal calls	2274
Transactions count	858
Uniq Callers	219
Days contract called	1
Last transaction time	2023-01-03 12:43:11 UTC
Created	2023-01-03 02:44:35 UTC
Create TX	0xec7170db8b71e42e5aa74264eafadd5faf52f81b956ea56e254a76cfd45d5531
Creator	0xda029e308b241f74fe084ff808829427c2484a89



FEATURED WALLETS

Owner address	0x00 Ownership is renounced <i>Original owner: 0xda029e308b241f74fe084ff808829427c2484a89</i>
Marketing wallet	0x0B72030816f6628CAb8f68E17C0b9c2efBD68883
Development wallet	0xdA029e308B241f74Fe084FF808829427C2484a89
LP address	Uniswap: 0xc94c97f38151807ca393d362fb8db9427580775c

TOP 3 UNLOCKED WALLETS

1

4.8%

0x5afe1d014fd2420ab794894896b60dd13f13e0e

0x7ed6a90ff438cfe822c8d8ddcb8e05295753f874

4.5%

3

3.3%

0xecff15d17267c8f7cae895f8d07f3de0fb8d5bc3



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Development wallet and marketing wallet can initiate manual token swaps from contract and withdraw eth from the contract. If contract's token swap balance is 0 transactions will fail.

```
function manualswap() external {
    require(_msgSender() == _developmentAddress || _msgSender() == _marketingAddress);
    uint256 contractBalance = balanceOf(address(this));
    swapTokensForEth(contractBalance);
}

function manualsend() external {
    require(_msgSender() == _developmentAddress || _msgSender() == _marketingAddress);
    uint256 contractETHBalance = address(this).balance;
    sendETHToFee(contractETHBalance);
}
```



Informational

Before ownership renouncement owner could:

Enable/disable trading, blacklist address from trading.

Set fees without limit, set max transaction amount without limit.

```
function setTrading(bool _tradingOpen) public onlyOwner {
    tradingOpen = _tradingOpen;
}

function blockBots(address[] memory bots_) public onlyOwner {
    for (uint256 i = 0; i < bots_.length; i++) {
        bots[bots_[i]] = true;
    }
}

function setFee(uint256 redisFeeOnBuy, uint256 redisFeeOnSell,
uint256 taxFeeOnBuy, uint256 taxFeeOnSell) public onlyOwner {
    _redisFeeOnBuy = redisFeeOnBuy;
    _redisFeeOnSell = redisFeeOnSell;

    _taxFeeOnBuy = taxFeeOnBuy;
    _taxFeeOnSell = taxFeeOnSell;
}

function setMaxTxnAmount(uint256 maxTxAmount) public onlyOwner {
    _maxTxAmount = maxTxAmount;
}
```

**Contract's ownership is renounced.
Owner do not have any special privileges.**



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Ronin

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



There is no information about the initial token distribution in their website and/or whitepaper.

TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://wrappedbitcoincrc.com/>

Domain Registry

<https://www.hostinger.com>

Domain Expiration

2024-01-03

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme and overall layout.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

No whitepaper found

Roadmap

Yes

Mobile-friendly?

Yes



wrappedbitcoincrc.com

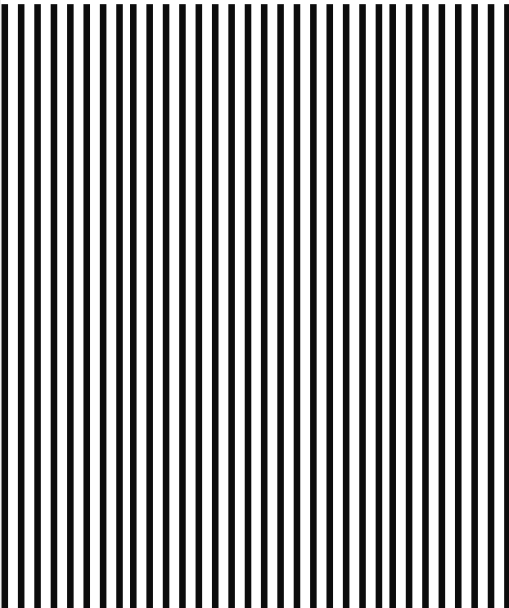


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media activity is concentrated in telegram with organic users interactions.



Twitter

@WrappedBC

- 40 followers
- Daily posts



Discord

- Not available



Telegram

@wrappedbc

- 484 members
- Active community and mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.